

## Press Release

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### **High-performance mixing and separation technology: Bauer MAT at bauma 2025**

- **BE 100:** Compact desanding plant for small construction sites
- **CMS 50:** Efficient mixing plant with intelligent controls
- **IPA 250-E:** Electric injection plant for sustainable operation
- **BD 30-C:** Powerful decanter centrifuge for smaller sites

**Munich, Germany** – Bauer MAT Slurry Handling Systems, a subsidiary of the BAUER Maschinen Group, once again showcased a range of innovative mixing and separation systems at bauma 2025. With the compact BE 100 desanding plant, the upgraded CMS 50 mixing plant, the electric IPA 250-E injection plant, and the new BD 30-C decanter centrifuge, the company presented an impressive selection from its portfolio.

#### **BE 100: Flexible desanding solution for small construction sites**

The growing demand for geothermal heat projects requires compact and mobile solutions for desanding of drilling fluids and stabilizing slurries. That's why Bauer MAT developed the BE 100 – a powerful desanding plant with a capacity of up to 100 m<sup>3</sup>/h. Thanks to its low weight of 2,200 kg, it is particularly easy to transport. Two different discharge options (to the bottom or side) enable flexible integration on sites, while high-quality filters with 7 g of centrifugal force ensure efficient separation of solids. Thanks to the robust, hot-dip galvanized steel structure and wearproof pump, the BE 100 stands out for durability and high performance.

#### **CMS 50: Modern enhancement of the CMS 45**

With the CMS 50, Bauer MAT presented the successor to the successful CMS 45. The fully automated plant with PLC control delivers a 10% higher mixing capacity with a capacity of 50 m<sup>3</sup>/h (water/cement ratio 1.0). Precise sensors, an intelligent, self-learning control, and the ability to save up to ten recipes enable optimized process monitoring. A newly developed water tank integrated into the plant's roof improves space utilization, while the decoupled recirculation line minimizes vibrations and thereby increases the accuracy of weight measurements.

#### **IPA 250-E: Fully automated injection plant**

The IPA 250-E combines proven MAT mixing technology with Obermann pumping technology, setting new standards in injection technology. It is fully electro-hydraulically driven. The newly developed user interface of the control panel considerably simplifies operation, while the patented mixing system ensures a fine distribution of solids in the slurry. Integrated batch logging and process data recording provide continuous documentation of the injection processes. The compact injection plant for colloidal slurry preparation has a maximum output of 250 l/min.

### **BD 30-C: Efficient separation of solids on small sites**

With the BD 30-C, Bauer MAT extended its portfolio with a compact decanter centrifuge for smaller sites. The robust plant impresses with energy-efficient operation and exceptional separation performance. A fully closed and insulated container design reduces noise emissions and facilitates transport. Wear is minimized by intelligent controls and a new drum and auger design featuring stainless steel.

### **New approaches to sustainability and maintenance costs**

Separating fine and finest solids from slurries using decanter centrifuges is a technically demanding process. The rotors reach speeds of up to 2,400 rpm and a maximum centrifugal force of 1,900 g. For this reason, regular maintenance and overhauls of rotors and bearings are essential. To considerably reduce the expense and cost of maintenance, BAUER MAT Slurry Handling Systems is taking a new approach with the BD 90 decanter series: Customers can exchange rotors in need of overhaul for completely overhauled units. This reduces downtimes during maintenance or repairs and considerably reduces costs compared to purchasing a new rotor. Additional advantages include: optionally available separate pedestal bearing blocks allow customers to replace the rotor easily using their own personnel; the warranty period offered by MAT for an overhauled rotor is equivalent to that of a new rotor; rotors in nearly any condition can be overhauled by MAT, conserving resources and raw materials; optimal planning of replacement periods for the customer as well as significantly increased operational safety thanks to defined replacement intervals.

**Images of the exhibits (© BAUER Group) can be found in our picture gallery at <https://bauer.canto.de/v/bauma/>**

### **About BAUER Maschinen Group**

For almost 60 years, equipment from Bauer has represented the highest performance and quality and constant innovation. The BAUER Maschinen Group is the world market leader in the development and manufacture of specialist foundation engineering equipment. BAUER Maschinen GmbH, which is also the holding company for a number of subsidiaries, designs and builds large-diameter drilling rigs, duty-cycle cranes, trench cutters, grabs and vibrators as well as the related tooling at its plants in Schrobenhausen, Aresing and Edelshausen. The subsidiaries manufacture state-of-the-art mixing and separation equipment as well as rotary drive systems and equipment for drilling small-diameter boreholes and wells. The BAUER Maschinen Group also operates manufacturing facilities in the USA, China, Malaysia, Italy, Singapore and Turkey. A component supplier within the Group is Schachtbau Nordhausen. The company operates a global sales and service network. More at <https://equipment.bauer.de/en>.

### **About Bauer**

The BAUER Group is a leading provider of services, equipment and products dealing with ground and groundwater. The Group can rely on a worldwide network on all continents. The Group's operations are divided into three forward-looking segments with high synergy potential: Geotechnical Solutions, Equipment and Resources. Bauer profits enormously from the collaboration of its three business segments, enabling the Group to position itself as an innovative, highly specialized provider of products and services for demanding projects in specialist foundation engineering and related markets. Bauer therefore offers suitable solutions to the world's greatest challenges, such as urbanization, the growing infrastructure needs, the environment, as well as water. The BAUER Group was founded in 1790 and is based in Schrobenhausen, Bavaria. In 2023, it employed about 12,000 people and achieved total Group revenues of EUR 1.8 billion worldwide. More information can be found at <https://www.bauer.de/en>. Follow us on [Facebook](#), [LinkedIn](#), [Instagram](#) and [YouTube](#)!